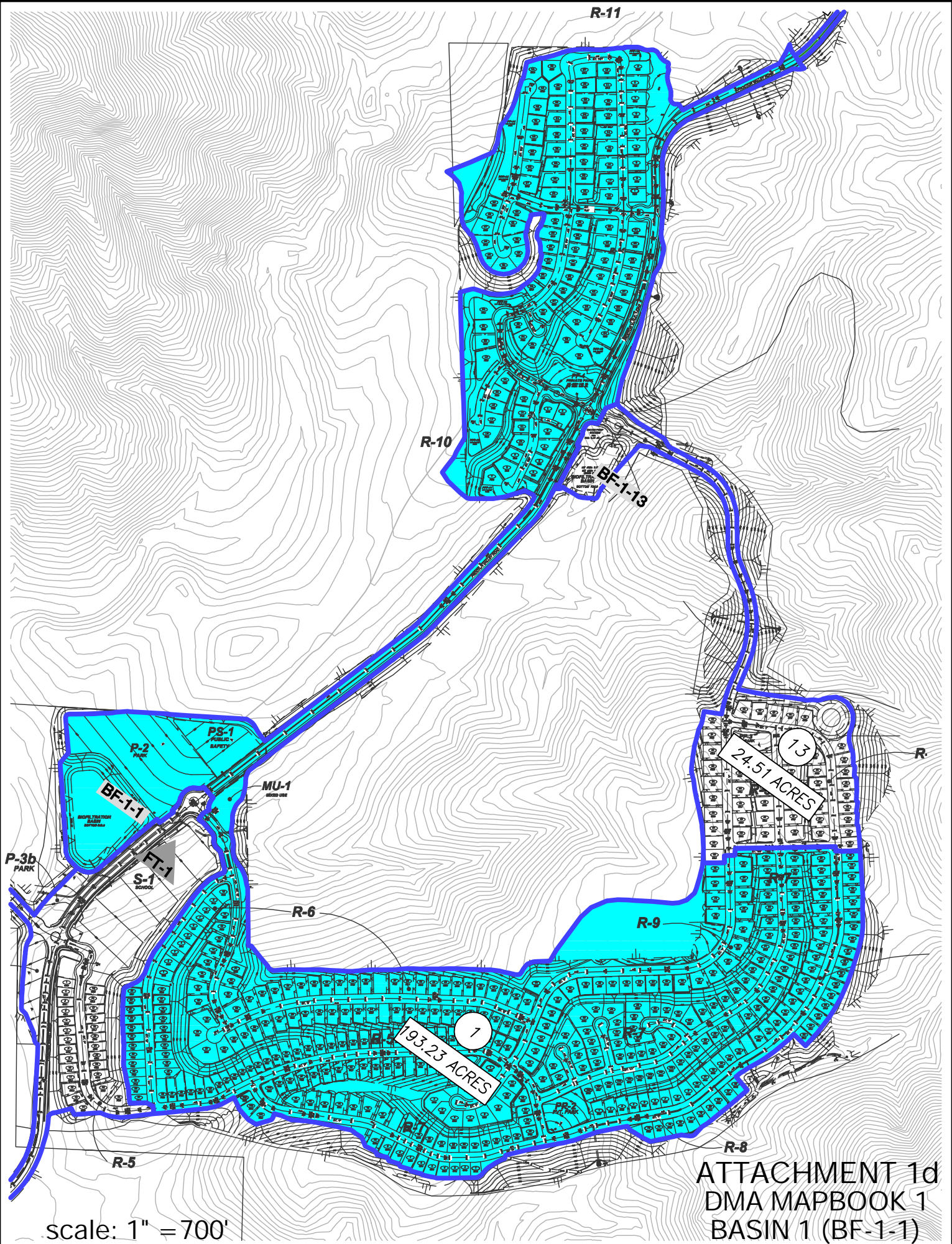
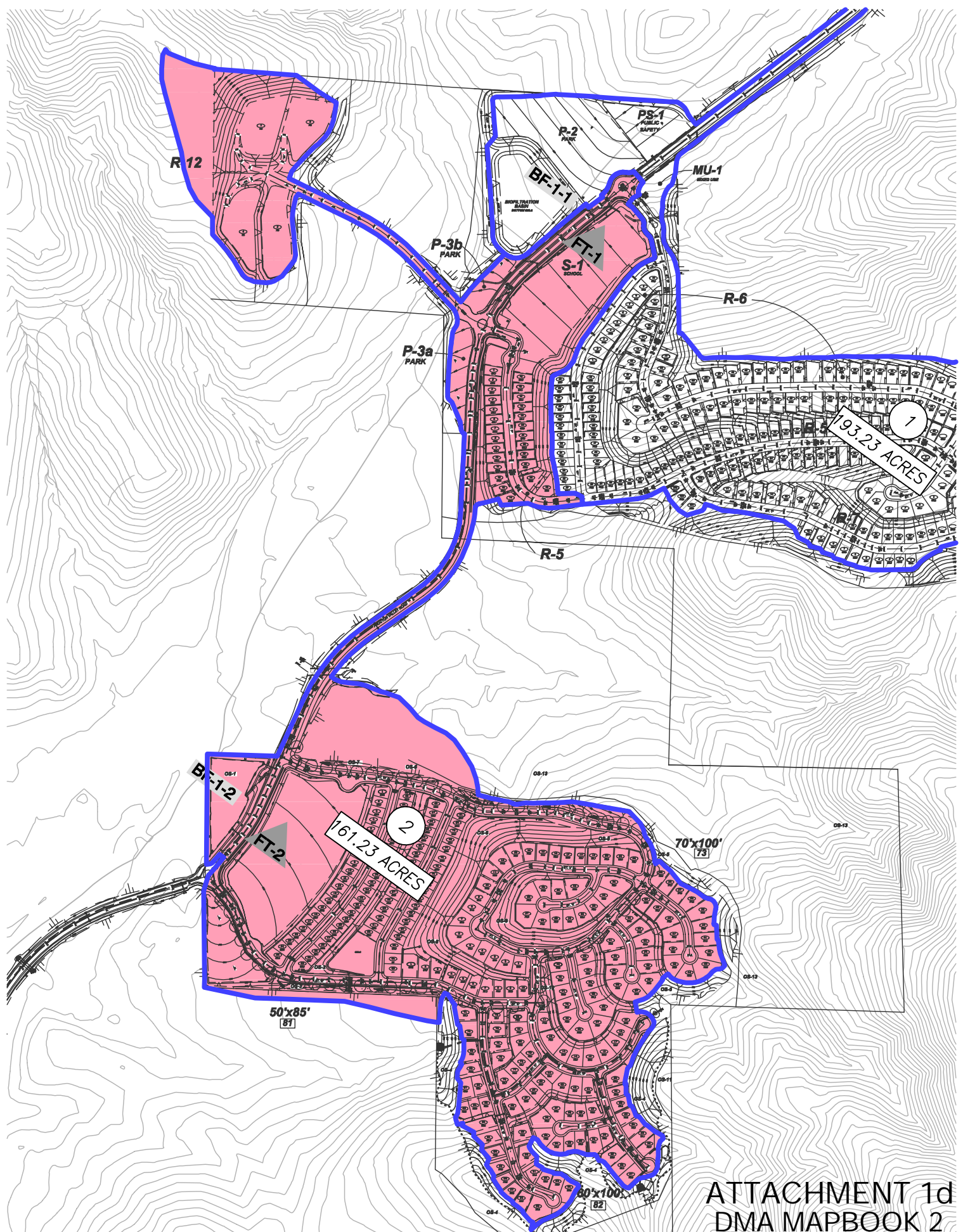


ATTACHMENT 1d  
INDIVIDUAL STRUCTURAL BMP DMA  
MAPBOOK



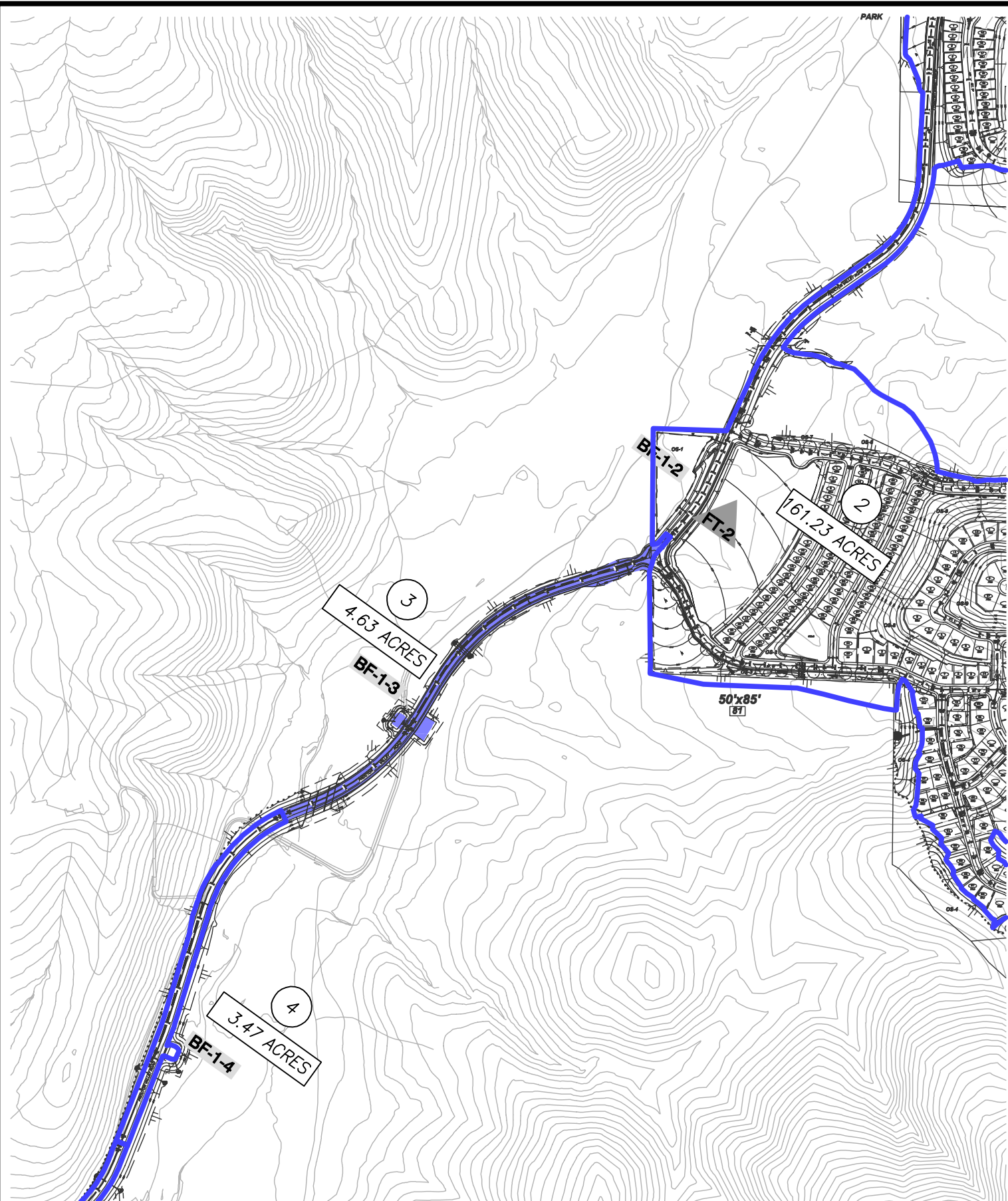




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ATTACHMENT 1d  
DMA MAPBOOK 2  
BASIN 2 (BF-1-2)

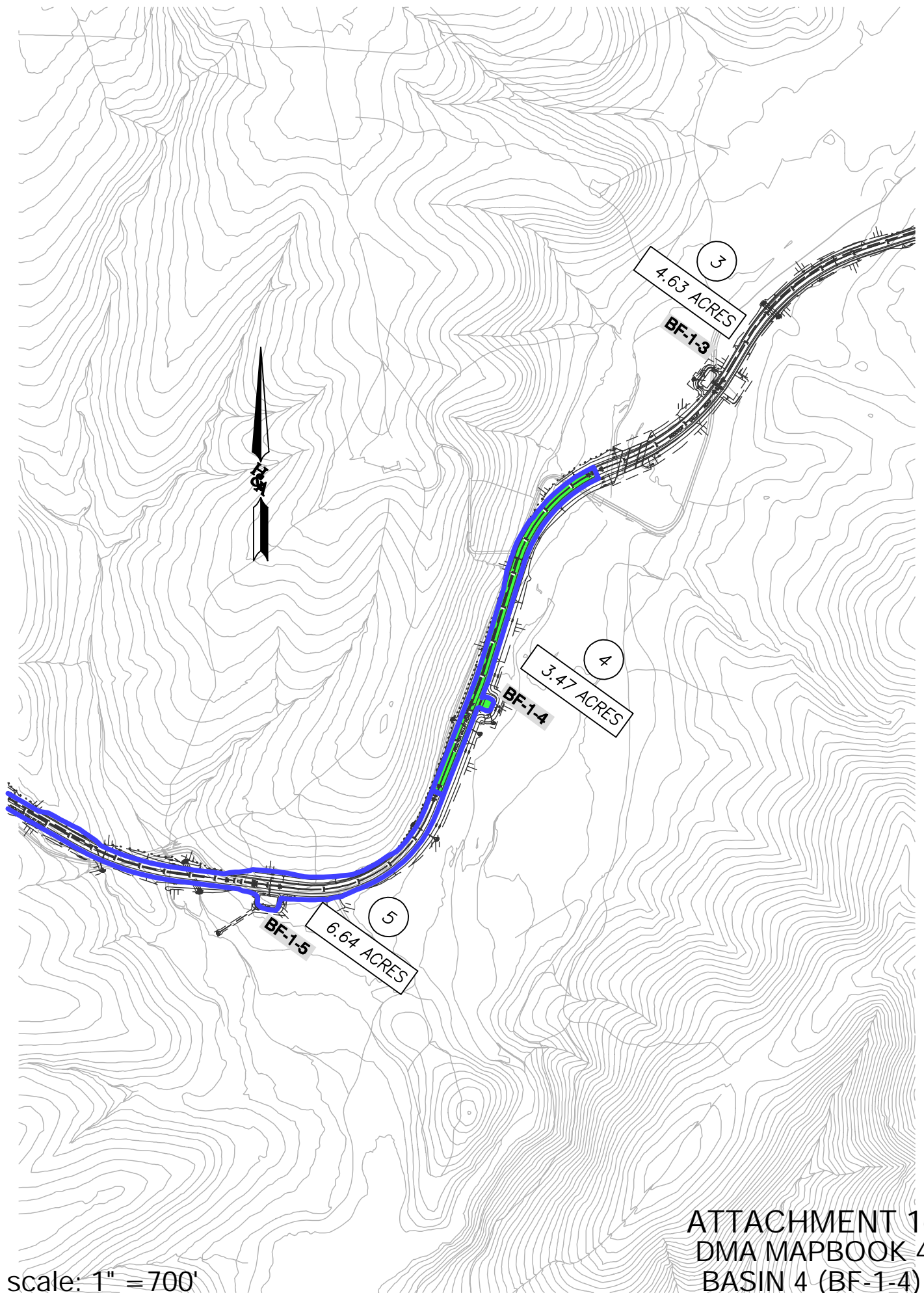




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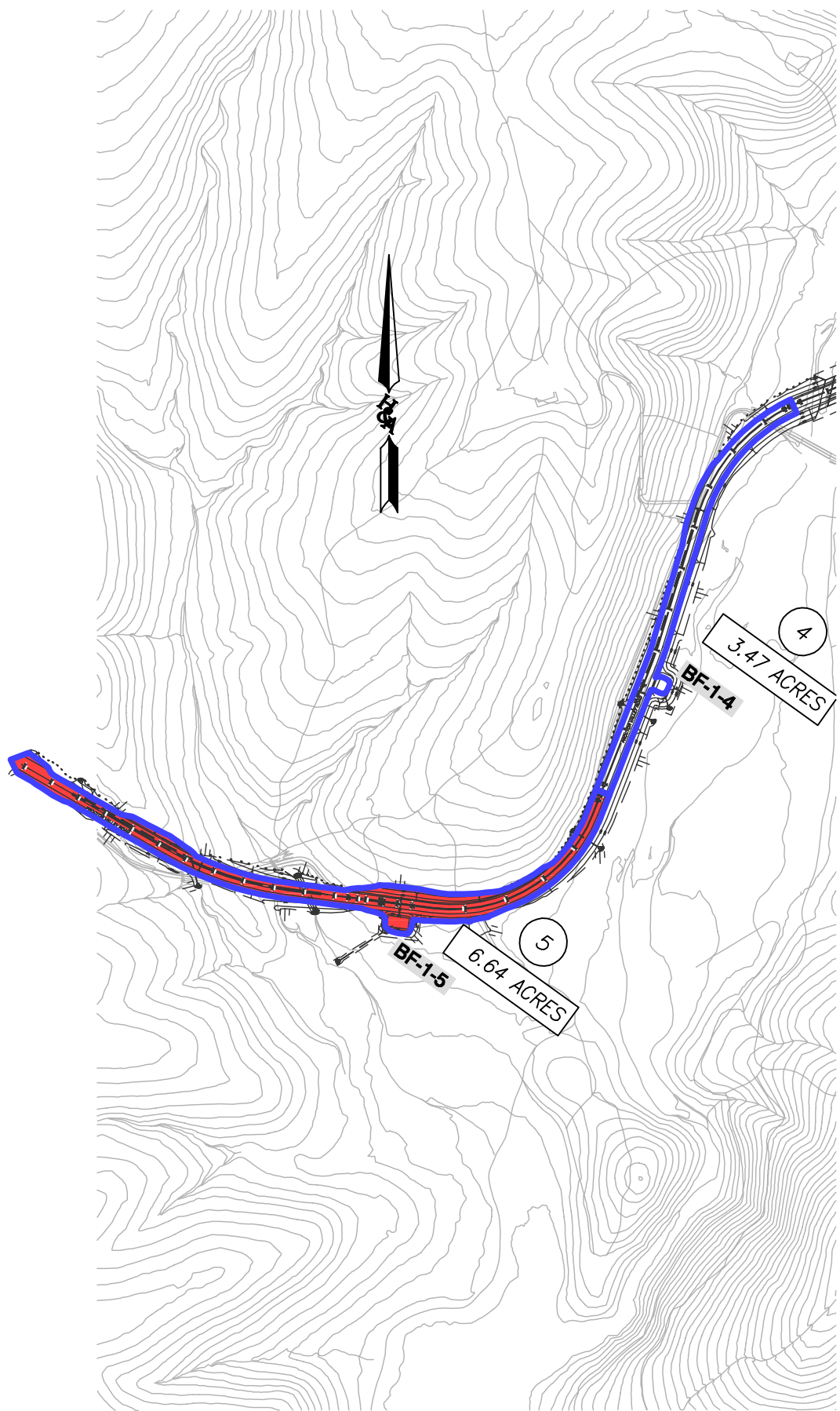
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BASIN 3 (BF-1-3)





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ATTACHMENT 1d  
DMA MAPBOOK 4  
BASIN 4 (BF-1-4)

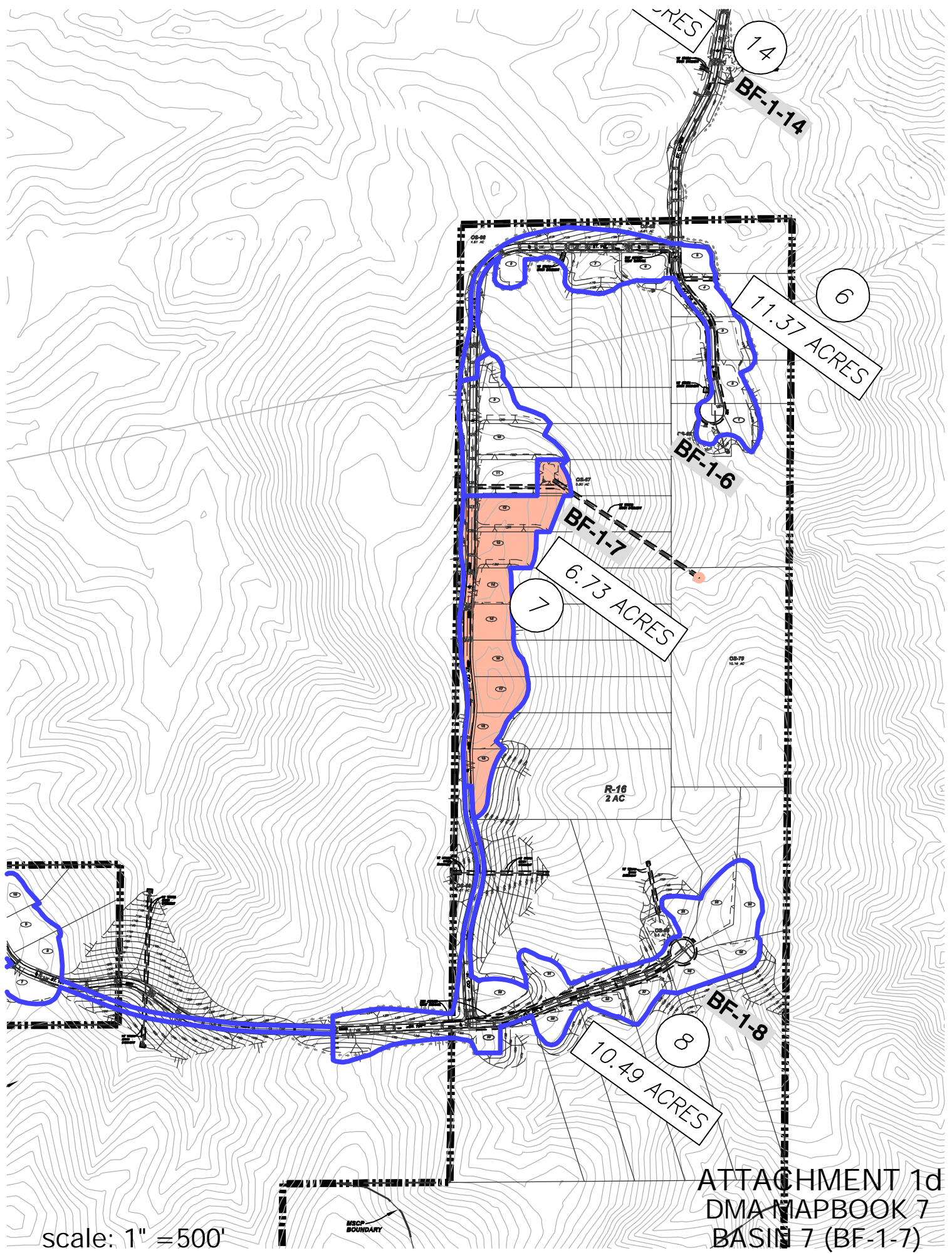


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BASIN 5 (BF-1-5)







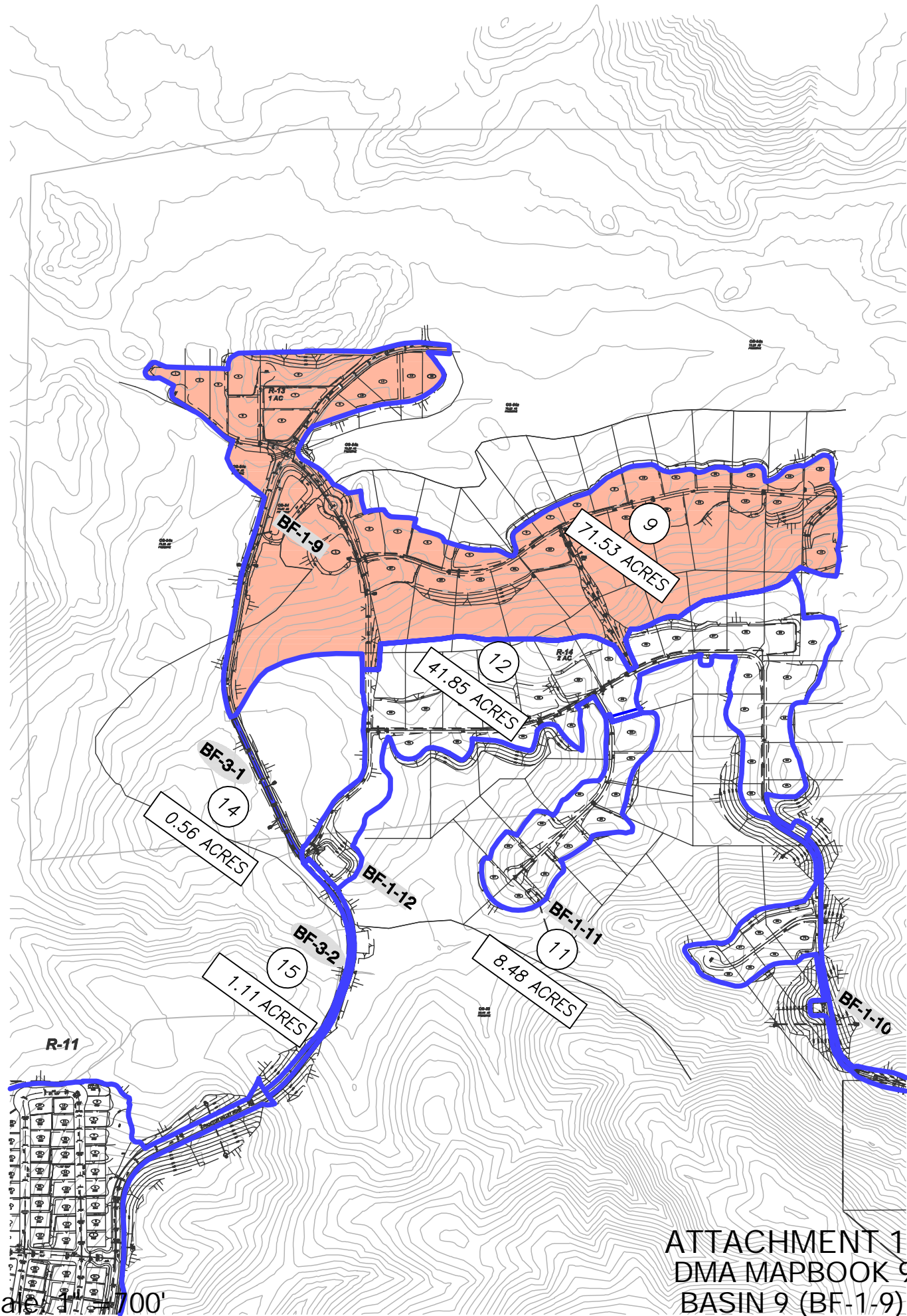
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MSCP  
BOUNDARY

ATTACHMENT 1d  
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BASIN 7 (BF-1-7)

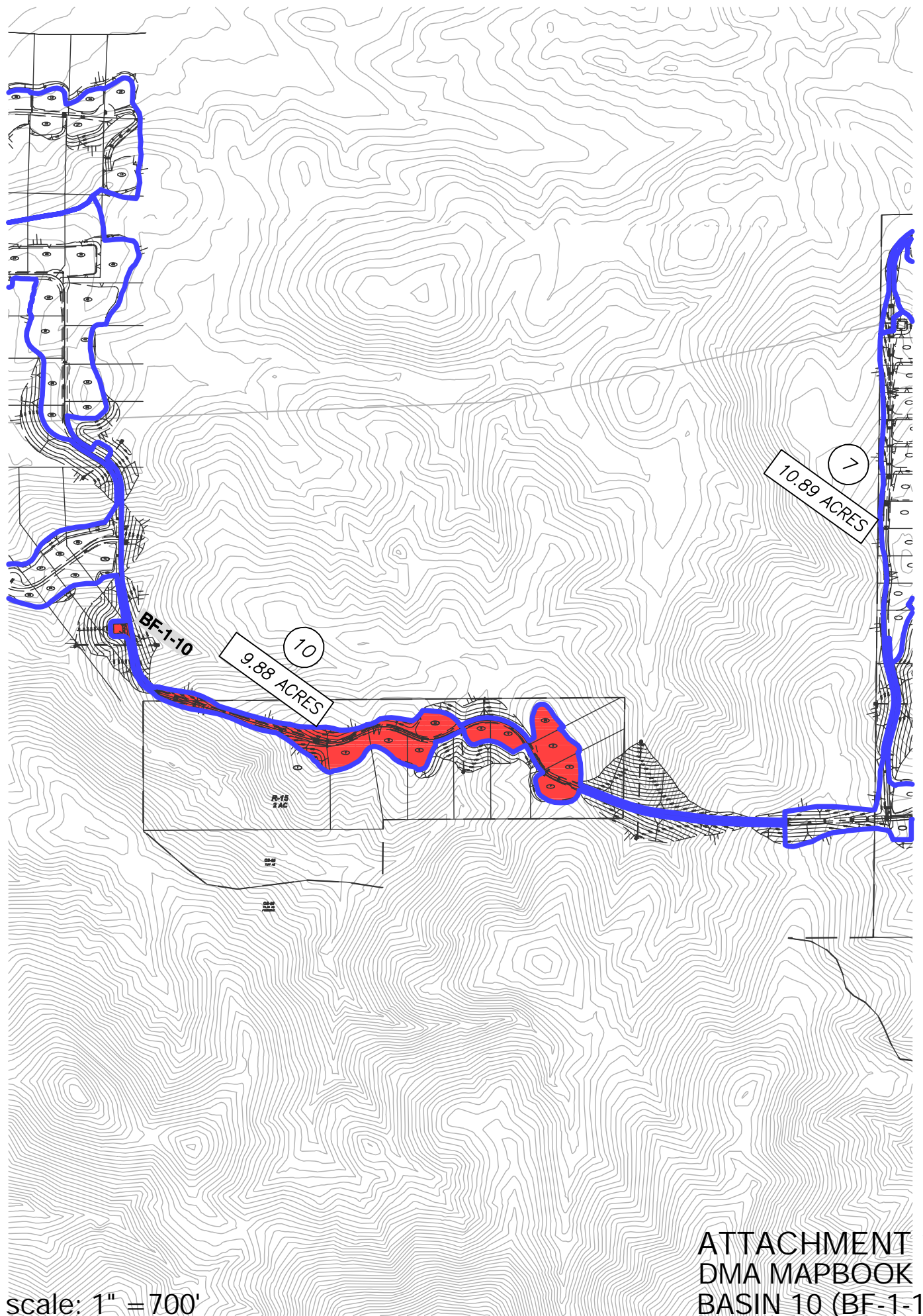






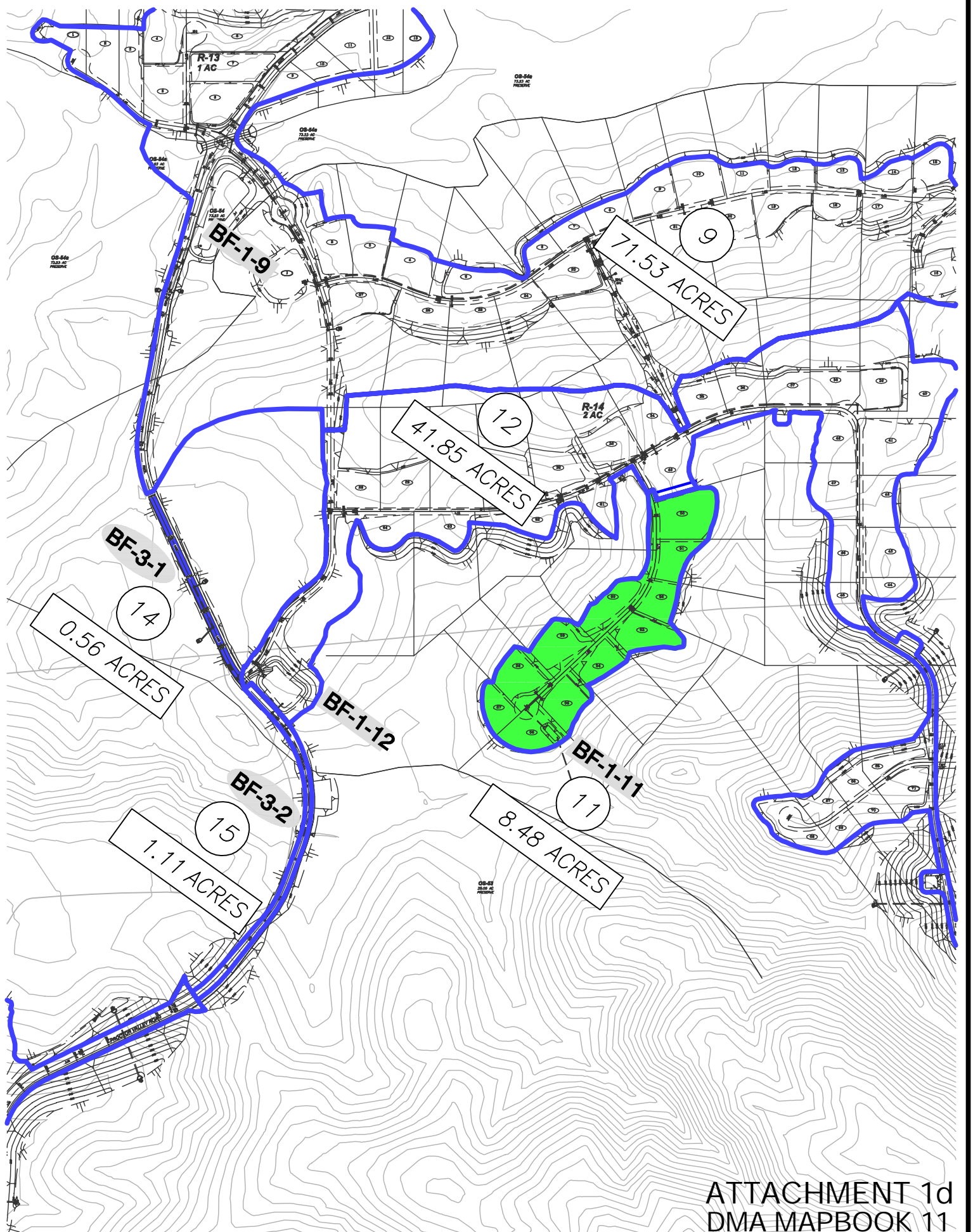
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BASIN 9 (BF-1-9)





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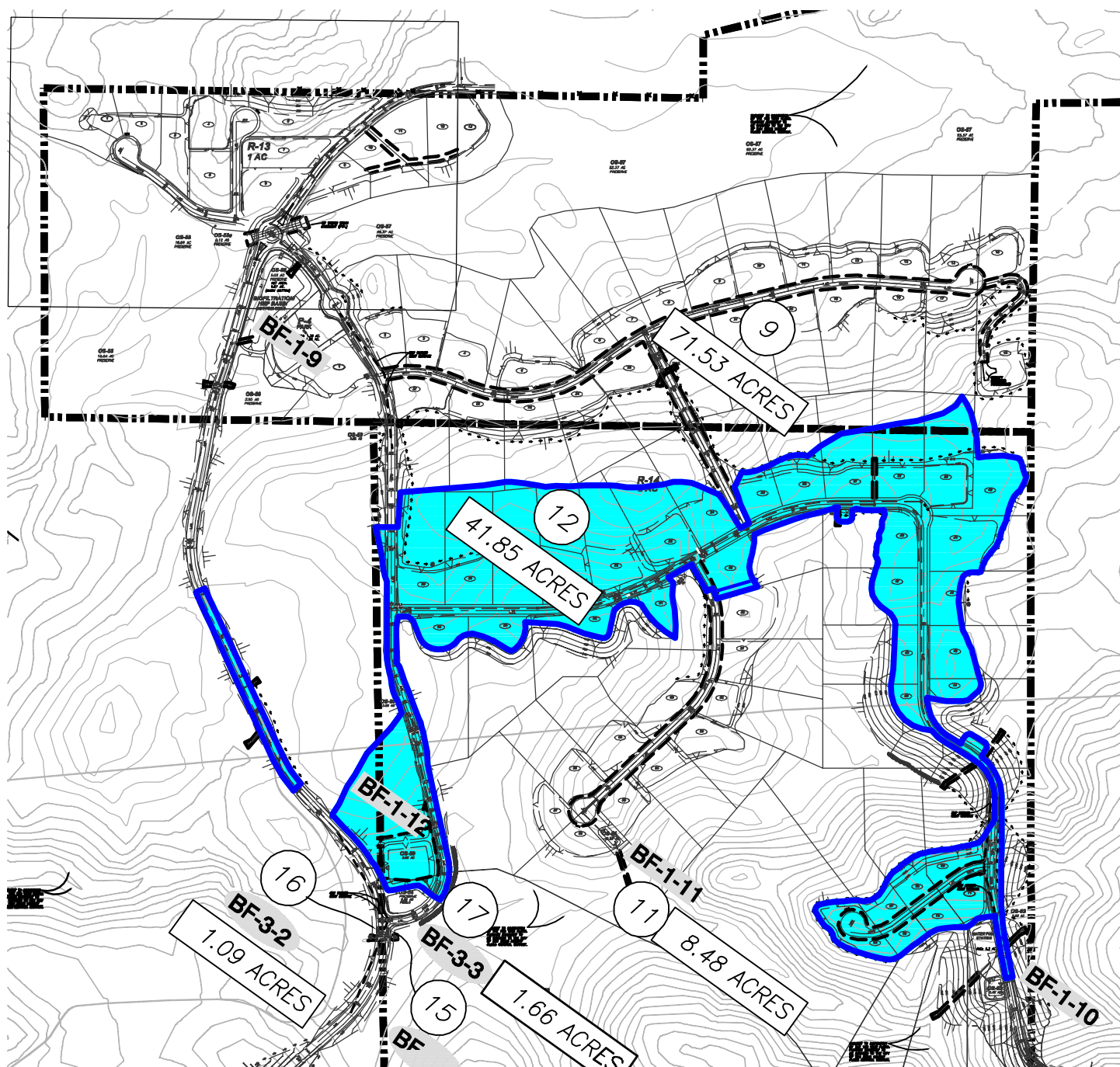
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BASIN 10 (BF-1-10)



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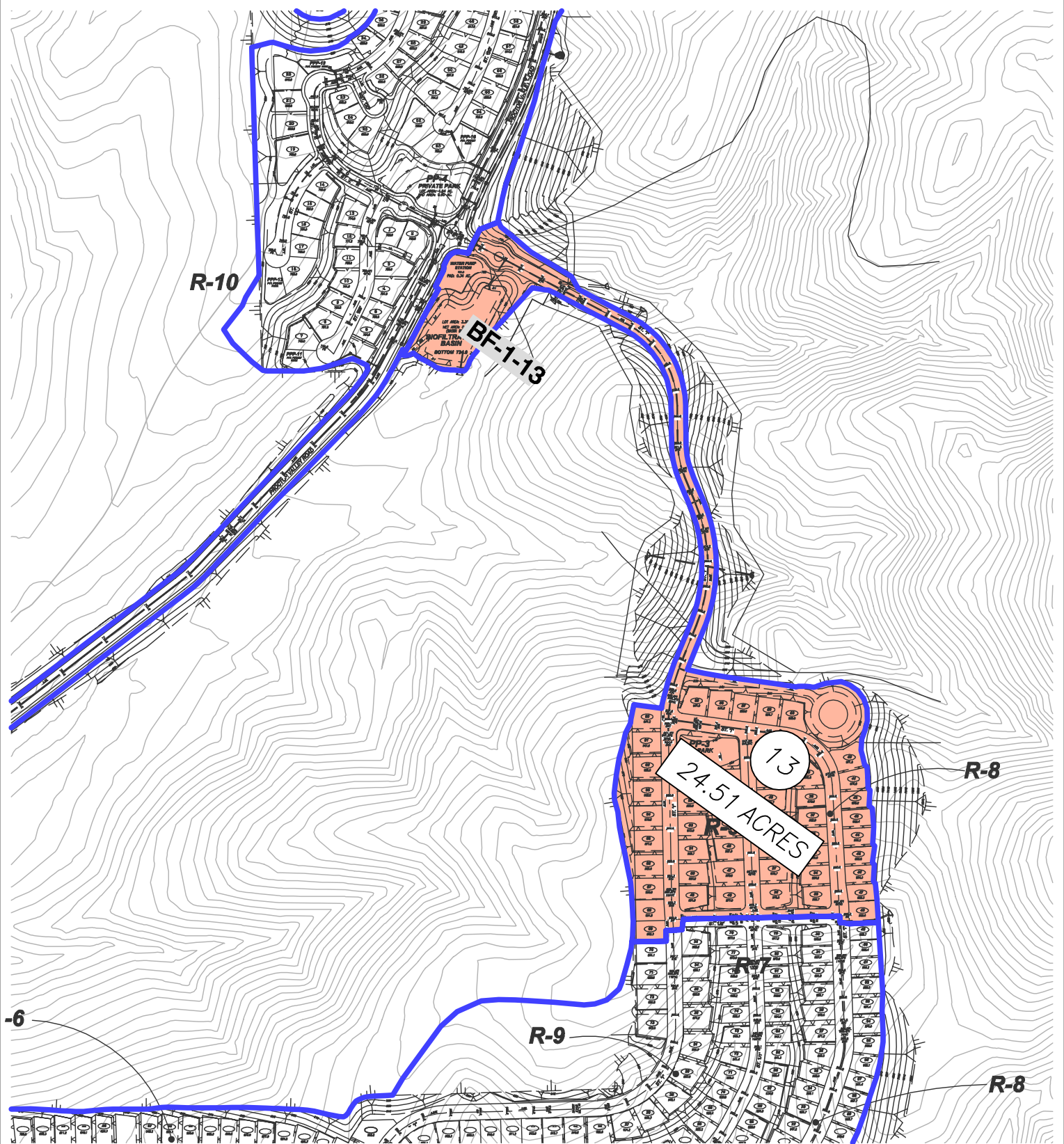
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BASIN 11 (BF-1-11)





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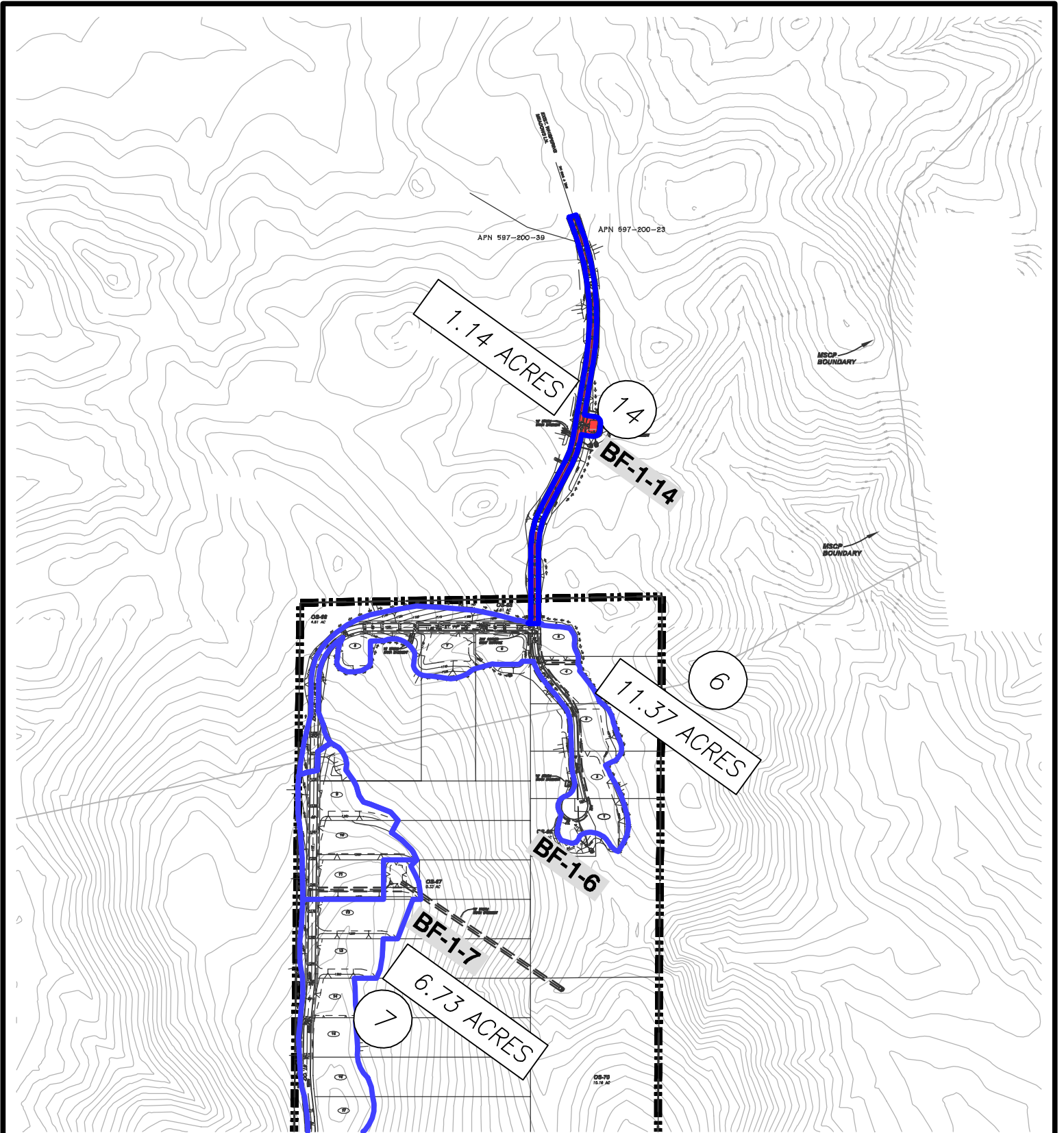
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BASIN 12 (BF-1-12)



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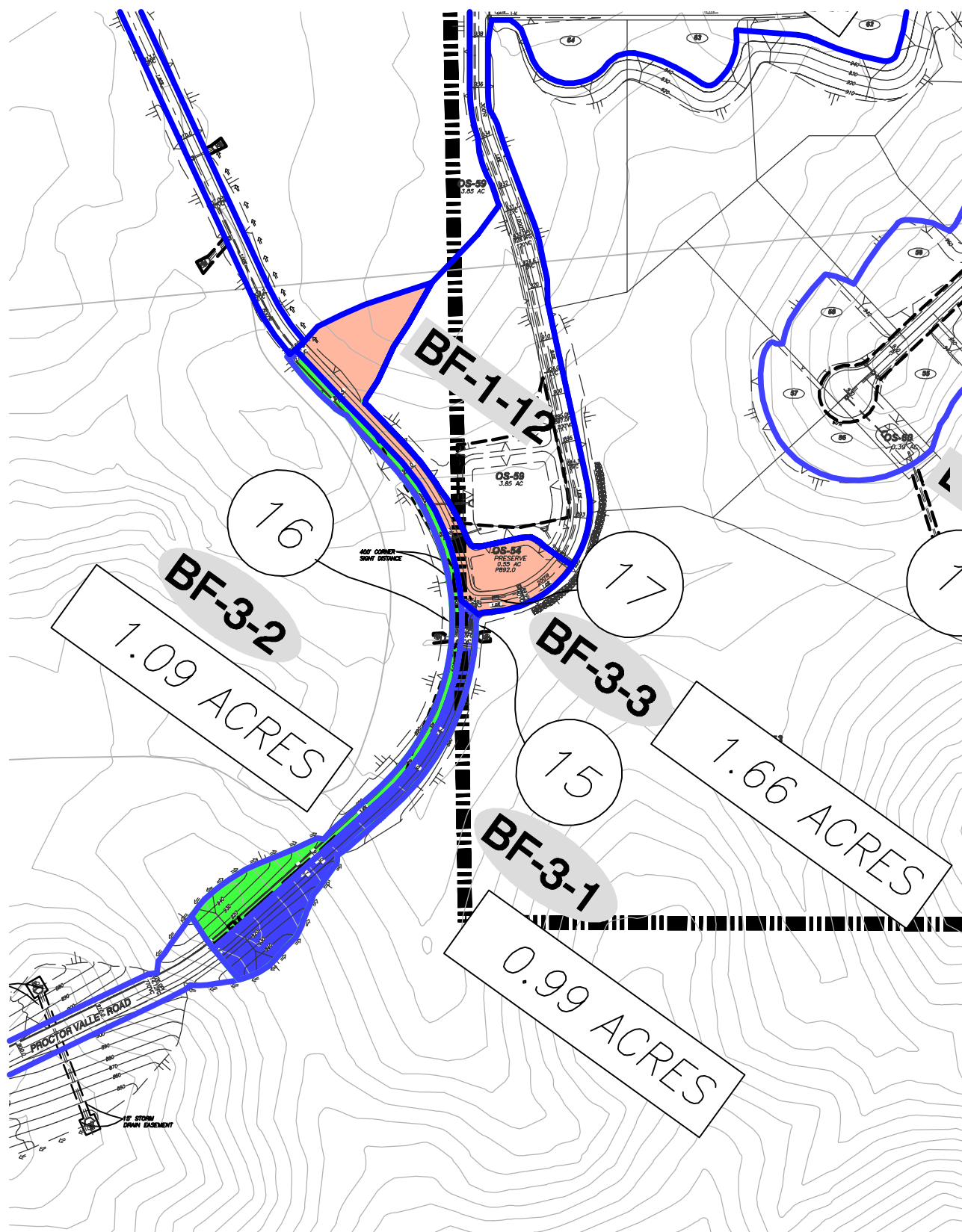
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BASIN 13 (BF-1-13)





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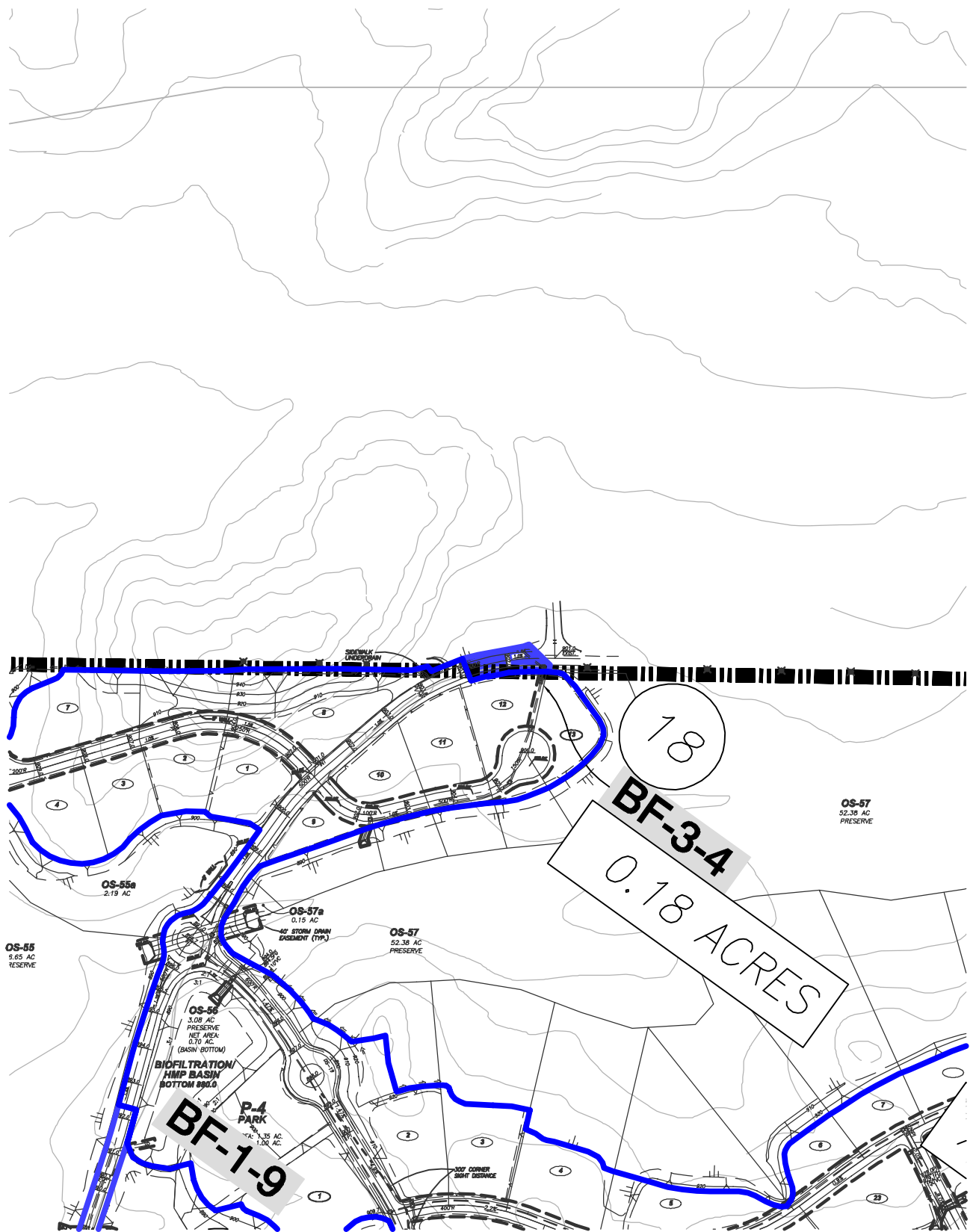
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BASIN 14 (BF-1-14)



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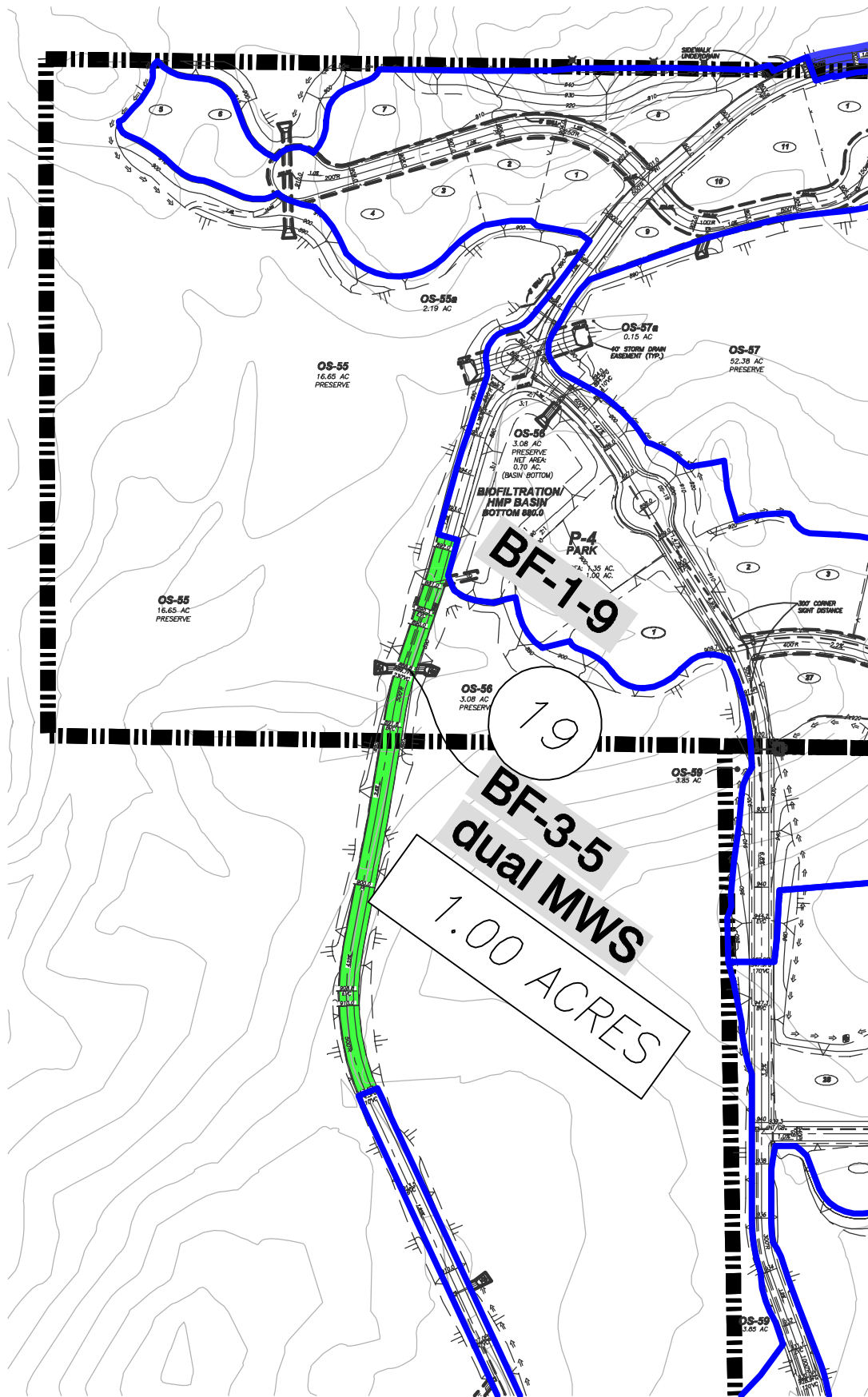
ATTACHMENT 1d  
DMA MAPBOOK 15  
BMPS 15-17 (BF-3-1 THROUGH BF-3-3)





scale: 1" = 300'

ATTACHMENT 1d  
DMA MAPBOOK 16  
BMP 18 (BF-3-4)



scale: 1" = 300'

ATTACHMENT 1d  
DMA MAPBOOK 17  
BMP 19 (BF-3-5)



## ATTACHMENT 2

## BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES

This is the cover sheet for Attachment 2.

- ☐ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 2a	Flow Control Facility Design, including Structural BMP Drawdown Calculations and Overflow Design Summary (Required) See Chapter 6 and Appendix G of the BMP Design Manual	<input type="checkbox"/> Included <input checked="" type="checkbox"/> Submitted as separate stand-alone document <div>Included in Attachment 2a as part of stand-alone document</div>
Attachment 2b	Hydromodification Management Exhibit (Required)	<input type="checkbox"/> Included  See Hydromodification Management Exhibit Checklist on the back of this Attachment cover sheet.
Attachment 2c	Management of Critical Coarse Sediment Yield Areas  See Section 6.2 and Appendix H of the BMP Design Manual.	<input checked="" type="checkbox"/> Exhibit depicting onsite and/or upstream sources of critical coarse sediment as mapped by Regional or Jurisdictional approaches outlined in Appendix H.1 AND, <input type="checkbox"/> Demonstration that the project effectively avoids and bypasses sources of mapped critical coarse sediment per approaches outlined in Appendix H.2 and H.3. OR, <input type="checkbox"/> Demonstration that project does not generate a net impact on the receiving water per approaches outlined in Appendix H.4.
Attachment 2d	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	<input checked="" type="checkbox"/> Not performed <input type="checkbox"/> Included <input type="checkbox"/> Submitted as separate stand-alone document
Attachment 2e	Vector Control Plan (Required when structural BMPs will not drain in 96 hours)	<input type="checkbox"/> Included <input checked="" type="checkbox"/> Not required because BMPs will drain in less than 96 hours

---

**Use this checklist to ensure the required information has been included on the Hydromodification Management Exhibit:**

The Hydromodification Management Exhibit must identify:

- ☒ Underlying hydrologic soil group
- ☒ Approximate depth to groundwater
- ☒ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☒ Critical coarse sediment yield areas to be protected
- ☒ Existing topography
- ☒ Existing and proposed site drainage network and connections to drainage offsite
- ☒ Proposed grading
- ☒ Proposed impervious features
- ☒ Proposed design features and surface treatments used to minimize imperviousness
- ☒ Point(s) of Compliance (POC) for Hydromodification Management
- ☒ Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
- ☒ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail)



ATTACHMENT 2a  
FLOW CONTROL FACILITY DESIGN

*THIS ATTACHMENT SUBMITTED AS A  
SEPARATE STAND-ALONE DOCUMENT*

ATTACHMENT 2b  
HYDROMODIFICATION MANAGEMENT  
EXHIBIT

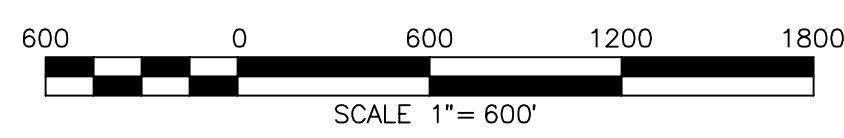
*THE HYDROMODIFICATION  
MANAGEMENT EXHIBITS ARE  
INCLUDED WITHIN ATTACHMENT 2a  
WHICH HAS BEEN PREPARED AS A  
SEPARATE STAND-ALONE DOCUMENT*



ATTACHMENT 2c  
MANAGEMENT OF CRITICAL COARSE  
SEDIMENT YIELD AREAS

The following exhibit shows the San Diego County WMAA Map overlaid on the project site. Potential Critical Coarse areas are shown to drain through or by pass the site at the northern portion of the site.





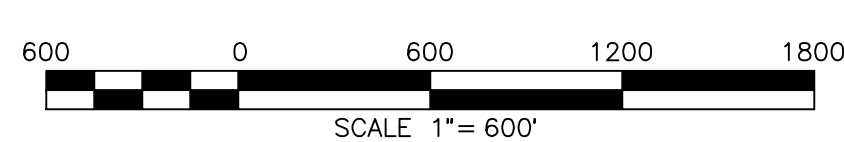
RUNOFF CONVEYING  
CRITICAL COARSE SEDIMENT  
TO BE ROUTED THROUGH SITE  
AT THIS LOCATION

LEGEND:

- POTENTIAL CRITICAL COARSE SEDIMENT AREAS PER WMAA
- PROJECT DRAINAGE BOUNDARIES

PREPARED BY:  
**HUNSAKER & ASSOCIATES**  
SAN DIEGO, INC.  
PLANNING 9707 Waples Street  
ENGINEERING San Diego, Ca 92131  
SURVEYING PH0808150-4500-FX0808150-1414

POTENTIAL CRITICAL COARSE SEDIMENT YIELD AREAS  
VILLAGE 14 & PLANNING AREAS 16/19  
COUNTY OF SAN DIEGO, CALIFORNIA





ATTACHMENT 2d  
GEOMORPHIC ASSESSMENT OF  
RECEIVING CHANNELS

*THIS ASSESSMENT WAS NOT  
PERFORMED FOR THIS PROJECT*

ATTACHMENT 2e  
VECTOR CONTROL PLAN

*VECTOR CONTROL PLAN HAS NOT  
BEEN PREPARED AT THIS  
PRELIMINARY PLANNING PHASE.*



---

**ATTACHMENT 3****Structural BMP Maintenance Information**

This is the cover sheet for Attachment 3.

**Indicate which Items are Included behind this cover sheet:**

<b>Attachment Sequence</b>	<b>Contents</b>	<b>Checklist</b>
Attachment 3a	Structural BMP Maintenance Plan (Required)	<input checked="" type="checkbox"/> Included  See Structural BMP Maintenance Information Checklist on the back of this Attachment cover sheet.
Attachment 3b	Draft Stormwater Maintenance Notification / Agreement (when applicable)	<input type="checkbox"/> Included <input checked="" type="checkbox"/> Not Applicable <div>Agreement has not been completed at this Preliminary Phase</div>

---

**Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:**

**Attachment 3a must identify:**

- ☒ Specific maintenance indicators and actions for proposed structural BMP(s). This must be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the structural BMP(s)
- ☒ How to access the structural BMP(s) to inspect and perform maintenance
- ☒ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☒ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☒ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management

**Attachment 3b:** For all Structural BMPs, Attachment 3b must include a draft maintenance agreement in the County's standard format depending on the Category (PDP applicant to contact County staff to obtain the current maintenance agreement forms). Refer to Section 7.3 in the BMP Design Manual for a description of the different categories.

**TABLE 7-3. Maintenance Indicators and Actions for Vegetated BMPs**

Typical Maintenance Indicator(s) for Vegetated BMPs	Maintenance Actions
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials, without damage to the vegetation.
Poor vegetation establishment	Re-seed, re-plant, or re-establish vegetation per original plans.
Overtgrown vegetation	Mow or trim as appropriate, but not less than the design height of the vegetation per original plans when applicable (e.g. a vegetated swale may require a minimum vegetation height).
Erosion due to concentrated irrigation flow	Repair/re-seed/re-plant eroded areas and adjust the irrigation system.
Erosion due to concentrated storm water runoff flow	Repair/re-seed/re-plant eroded areas, and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or minor re-grading to restore proper drainage according to the original plan. If the issue is not corrected by restoring the BMP to the original plan and grade, The County must be contacted prior to any additional repairs or reconstruction.
Standing water in vegetated swales	Make appropriate corrective measures such as adjusting irrigation system, removing obstructions of debris or invasive vegetation, loosening or replacing top soil to allow for better infiltration, or minor re-grading for proper drainage. If the issue is not corrected by restoring the BMP to the original plan and grade, County staff in the Watershed Protection Program must be contacted prior to any additional repairs or reconstruction.
Standing water in bioretention, biofiltration with partial retention, or biofiltration areas, or flow-through planter boxes for longer than 96 hours following a storm event*	Make appropriate corrective measures such as adjusting irrigation system, removing obstructions of debris or invasive vegetation, clearing underdrains (where applicable), or repairing/replacing clogged or compacted soils.
Obstructed inlet or outlet structure	Clear obstructions.
Damage to structural components such as weirs, inlet or outlet structures	Repair or replace as applicable.
*These BMPs typically include a surface ponding layer as part of their function which may take 96 hours to drain following a storm event.	



## BMP Maintenance Program

The following inspection and maintenance activities shall be performed and completed as indicated. Question should be directed to the San Diego County Department of Public Works at (858) 694-3810.

### Maintenance Program for Inlet Stenciling

<b>Inspection Frequency/Indications:</b>	<u>Regular Maintenance Inspections</u> Q Before wet season begins (September); Q After wet season (April).
<b>Maintenance Indications</b>	<b>Maintenance Activities</b>
Q Inlet stenciling/signage begins to weather or fade	Q Re-stamp signage
Q Broken or damaged structure	Q Repair or replace signage structure

### Maintenance Program for Stormwater Separation Units

<b>Inspection Frequency/Indications:</b>	<u>Regular Maintenance Inspections</u> Q Monthly during wet season Q Annually before wet season (September) <u>Performance Inspection</u> Q 72 hrs after rainfall events greater than 0.5 in.
<b>Maintenance Indications</b>	<b>Maintenance Activities</b>
Q Excessive trash, debris, or sediment in unit. (i.e., sump is 85 percent full or sump is 50 percent full during two consecutive monthly inspections)	Q Remove trash and debris within 15 days. Empty unit when the unit is 85 percent full or 50 percent full during two consecutive monthly inspections, or annually in May.
Q Presence of trash and debris in weir box.	Q Remove trash and debris while onsite conducting inspection
Q When standing water in sump is observed during annual and performance inspection.	Q If standing water cannot be removed or remains through the wet season, notify vector control.
Q Minor structural damage (i.e., screen becomes clogged, damaged or loose)	Q Clean screen, re-fasten screen if appropriate.
Q Cracked or fatigued neoprene vector seals	Q Replace damaged seal
Q Major damage to structures (i.e., holes in screen, large debris, damage to housing or weir box)	Q Immediately consult with engineer and manufacturer=s representative to develop a course of action and effect repairs prior to the wet season.
<b>Waste Disposal</b>	Sediment, other pollutants, and all other waste shall be properly disposed of in a licensed landfill or by another appropriate disposal method in accordance with local, state, and federal regulations.

### Maintenance Program for Riprap Energy Dissipaters

<b>Inspection Frequency/Indications:</b>	<u>Regular Inspection - First Year</u> Q Before wet season begins (September); Q After wet season (April). <u>Regular Inspection - Subsequent Years</u> Q After wet season begins (April). <u>Performance Inspection</u> Q After rainfall events greater than 0.5 inches.
<b>Maintenance Indications</b>	<b>Maintenance Activities</b>

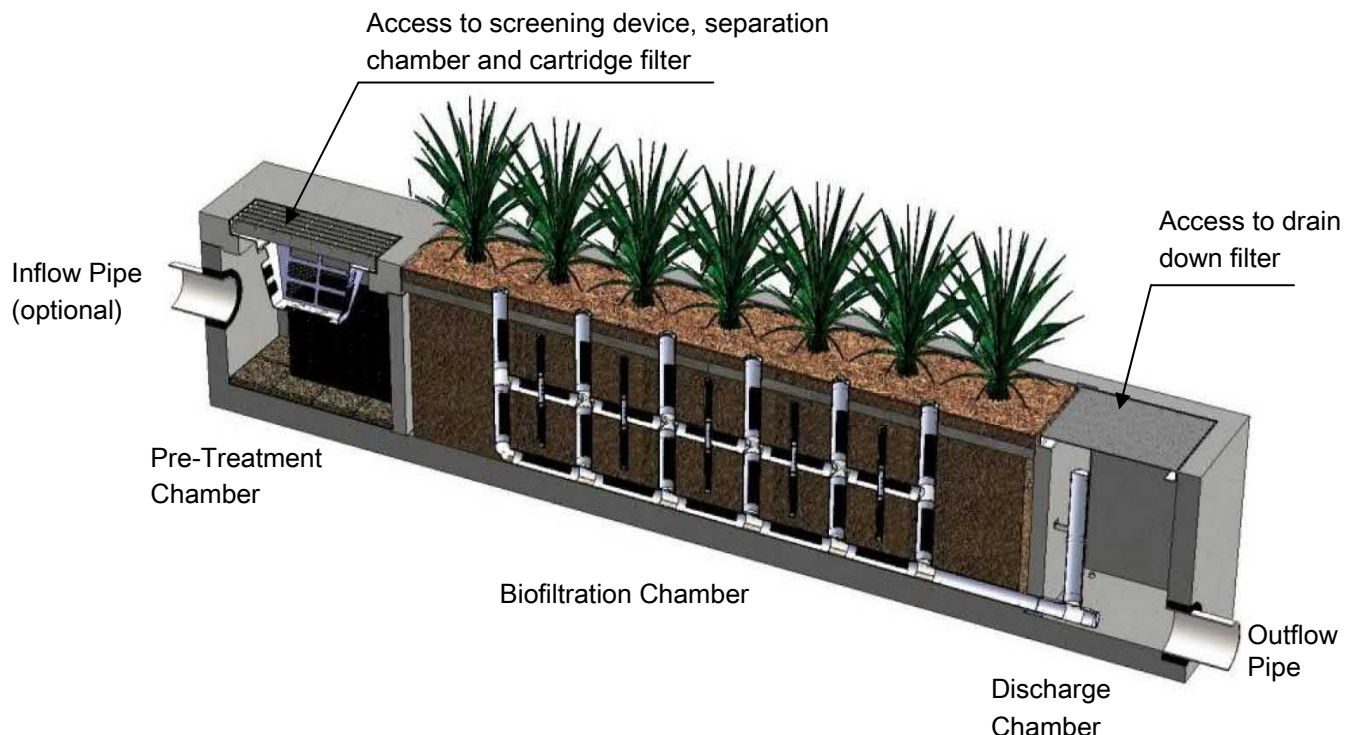
Q	Damage to sill, headwall, or other structures	Q	Repair sill, headwall, or other structures
Q	Riprap displaced or washed away	Q	Replace riprap
Q	Erosion (ruts, rills, or gullies) found downstream of dissipater structure (riprap apron).	Q	Extend riprap apron, reposition, increase riprap coverage to fully cover eroded area.
Q	Over-grown vegetation, emergent woody vegetation and/or weeds	Q	Trim vegetation to 6 inches, remove emergent woody vegetation and weeds
Q	Sediment accumulation over 3 inches	Q	Remove sediment accumulation
Q	Trash and litter present in riprap	Q	Remove trash and debris
<b>Waste Disposal</b>		Sediment, other pollutants, and all other waste shall be properly disposed of in a licensed landfill or by another appropriate disposal method in accordance with local, state, and federal regulations.	

# Maintenance Guidelines for Modular Wetland System - Linear

## Maintenance Summary

- Remove Trash from Screening Device – average maintenance interval is 6 to 12 months.
  - *(5 minute average service time).*
- Remove Sediment from Separation Chamber – average maintenance interval is 12 to 24 months.
  - *(10 minute average service time).*
- Replace Cartridge Filter Media – average maintenance interval 12 to 24 months.
  - *(10-15 minute per cartridge average service time).*
- Replace Drain Down Filter Media – average maintenance interval is 12 to 24 months.
  - *(5 minute average service time).*
- Trim Vegetation – average maintenance interval is 6 to 12 months.
  - *(Service time varies).*

## System Diagram





## **Maintenance Procedures**

### **Screening Device**

1. Remove grate or manhole cover to gain access to the screening device in the Pre-Treatment Chamber. Vault type units do not have screening device. Maintenance can be performed without entry.
2. Remove all pollutants collected by the screening device. Removal can be done manually or with the use of a vacuum truck. The hose of the vacuum truck will not damage the screening device.
3. Screening device can easily be removed from the Pre-Treatment Chamber to gain access to separation chamber and media filters below. Replace grate or manhole cover when completed.

### **Separation Chamber**

1. Perform maintenance procedures of screening device listed above before maintaining the separation chamber.
2. With a pressure washer spray down pollutants accumulated on walls and cartridge filters.
3. Vacuum out Separation Chamber and remove all accumulated pollutants. Replace screening device, grate or manhole cover when completed.

### **Cartridge Filters**

1. Perform maintenance procedures on screening device and separation chamber before maintaining cartridge filters.
2. Enter separation chamber.
3. Unscrew the two bolts holding the lid on each cartridge filter and remove lid.
4. Remove each of 4 to 8 media cages holding the media in place.
5. Spray down the cartridge filter to remove any accumulated pollutants.
6. Vacuum out old media and accumulated pollutants.
7. Reinstall media cages and fill with new media from manufacturer or outside supplier. Manufacturer will provide specification of media and sources to purchase.
8. Replace the lid and tighten down bolts. Replace screening device, grate or manhole cover when completed.

### **Drain Down Filter**

1. Remove hatch or manhole cover over discharge chamber and enter chamber.
2. Unlock and lift drain down filter housing and remove old media block. Replace with new media block. Lower drain down filter housing and lock into place.
3. Exit chamber and replace hatch or manhole cover.



## Maintenance Notes

1. Following maintenance and/or inspection, it is recommended the maintenance operator prepare a maintenance/inspection record. The record should include any maintenance activities performed, amount and description of debris collected, and condition of the system and its various filter mechanisms.
2. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time.
3. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.
4. Entry into chambers may require confined space training based on state and local regulations.
5. No fertilizer shall be used in the Biofiltration Chamber.
6. Irrigation should be provided as recommended by manufacturer and/or landscape architect. Amount of irrigation required is dependent on plant species. Some plants may require irrigation.

## Maintenance Procedure Illustration

### Screening Device

The screening device is located directly under the manhole or grate over the Pre-Treatment Chamber. It's mounted directly underneath for easy access and cleaning. Device can be cleaned by hand or with a vacuum truck.



### Separation Chamber

The separation chamber is located directly beneath the screening device. It can be quickly cleaned using a vacuum truck or by hand. A pressure washer is useful to assist in the cleaning process.





### **Cartridge Filters**

The cartridge filters are located in the Pre-Treatment chamber connected to the wall adjacent to the biofiltration chamber. The cartridges have removable tops to access the individual media filters. Once the cartridge is open media can be easily removed and replaced by hand or a vacuum truck.



### **Drain Down Filter**

The drain down filter is located in the Discharge Chamber. The drain filter unlocks from the wall mount and hinges up. Remove filter block and replace with new block.



## **Trim Vegetation**

Vegetation should be maintained in the same manner as surrounding vegetation and trimmed as needed. No fertilizer shall be used on the plants. Irrigation per the recommendation of the manufacturer and or landscape architect. Different types of vegetation requires different amounts of irrigation.





## Inspection Form



Modular Wetland System, Inc.

P. 760.433-7640

F. 760-433-3176

E. [Info@modularwetlands.com](mailto:Info@modularwetlands.com)

[www.modularwetlands.com](http://www.modularwetlands.com)





# Inspection Report Modular Wetlands System



Project Name \_\_\_\_\_

Project Address \_\_\_\_\_ (city) (Zip Code)

Owner / Management Company \_\_\_\_\_

Contact \_\_\_\_\_

Phone ( ) -

Inspector Name \_\_\_\_\_

Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Time \_\_\_\_ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition \_\_\_\_\_

Additional Notes \_\_\_\_\_

For Office Use Only

(Reviewed By)

(Date)  
Office personnel to complete section to the left.

## Inspection Checklist

Modular Wetland System Type (Curb, Grate or UG Vault): \_\_\_\_\_ Size (22', 14' or etc.): \_\_\_\_\_

Structural Integrity:	Yes	No	Comments
Damage to pre-treatment access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Damage to discharge chamber access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Does the MWS unit show signs of structural deterioration (cracks in the wall, damage to frame)?			
Is the inlet/outlet pipe or drain down pipe damaged or otherwise not functioning properly?			
Working Condition:			
Is there evidence of illicit discharge or excessive oil, grease, or other automobile fluids entering and clogging the unit?			
Is there standing water in inappropriate areas after a dry period?			
Is the filter insert (if applicable) at capacity and/or is there an accumulation of debris/trash on the shelf system?			
Does the depth of sediment/trash/debris suggest a blockage of the inflow pipe, bypass or cartridge filter? If yes, specify which one in the comments section. Note depth of accumulation in in pre-treatment chamber.			Depth:
Does the cartridge filter media need replacement in pre-treatment chamber and/or discharge chamber?			Chamber:
Any signs of improper functioning in the discharge chamber? Note issues in comments section.			
Other Inspection Items:			
Is there an accumulation of sediment/trash/debris in the wetland media (if applicable)?			
Is it evident that the plants are alive and healthy (if applicable)? Please note Plant Information below.			
Is there a septic or foul odor coming from inside the system?			

Waste:	Yes	No
Sediment / Silt / Clay		
Trash / Bags / Bottles		
Green Waste / Leaves / Foliage		

Recommended Maintenance	
No Cleaning Needed	
Schedule Maintenance as Planned	
Needs Immediate Maintenance	

Plant Information	
Damage to Plants	
Plant Replacement	
Plant Trimming	

Additional Notes: \_\_\_\_\_



## Maintenance Report



Modular Wetland System, Inc.

P. 760.433-7640

F. 760-433-3176

E. [Info@modularwetlands.com](mailto:Info@modularwetlands.com)

[www.modularwetlands.com](http://www.modularwetlands.com)



# Cleaning and Maintenance Report Modular Wetlands System



Project Name \_\_\_\_\_

Project Address \_\_\_\_\_  
(city) (Zip Code)

Owner / Management Company \_\_\_\_\_

Contact \_\_\_\_\_

Phone ( ) -

Inspector Name \_\_\_\_\_

Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Time \_\_\_\_ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint

☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition \_\_\_\_\_

Additional Notes \_\_\_\_\_

For Office Use Only

(Reviewed By)

(Date)  
Office personnel to complete section to the left.

Site Map #	GPS Coordinates of Insert	Manufacturer / Description / Sizing	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Total Debris Accumulation	Condition of Media 25/50/75/100 (will be changed @ 75%)	Operational Per Manufactures' Specifications (If not, why?)
	Lat:	MWS Catch Basins						
	Long:							
		MWS Sedimentation Basin						
		Media Filter Condition						
		Plant Condition						
		Drain Down Media Condition						
		Discharge Chamber Condition						
		Drain Down Pipe Condition						
		Inlet and Outlet Pipe Condition						

Comments:



---

**ATTACHMENT 4**

**County of San Diego PDP Structural BMP Verification for  
Permitted Land Development Projects**

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County of San Diego BMP Design Manual Verification Form	
<b>Project Summary Information</b>	
Project Name	Otay Ranch- Village 14 & Planning Areas 16/19
Record ID (e.g., grading/improvement plan number)	PDS2016-MPA-16-007
Project Address	Proctor Valley Road between Jamul and Chula Vista
Assessor's Parcel Number(s) (APN(s))	598-070-07 & 09, 598-010-02, 598-020-04 & 06, 598-021-02, 597-140-05, 598-021-01, 598-011-01 (Por.), 597-130-13 (Por.), 597-140-01(Por.), 597-140-07 (Por.), 597-140-06 (Por.), 597-140-09 (Por.)
Project Watershed (Complete Hydrologic Unit, Area, and Subarea Name with Numeric Identifier)	Otay Hydrologic Unit, Dulzura Hydrologic Area, Proctor Hydrologic Sub Area (910.32)
<b>Responsible Party for Construction Phase</b>	
Developer's Name	Jackson-Pendo Development Company
Address	2245 San Diego Avenue, Ste 223 San Diego, CA 92110
Email Address	ljackson@jacksonpendo.com
Phone Number	(619) 267-4904
Engineer of Work	Alisa S. Vialpando
Engineer's Phone Number	(858) 558-4500
<b>Responsible Party for Ongoing Maintenance</b>	
Owner's Name(s)*	Jackson-Pendo Development Company
Address	2245 San Diego Avenue, Ste 223 San Diego, CA 92110
Email Address	ljackson@jacksonpendo.com
Phone Number	(619) 267-4904
*Note: If a corporation or LLC, provide information for principal partner or Agent for Service of Process. If an HOA, provide information for the Board or property manager at time of project closeout.	



## 40 of 48

Note: If this is a partial verification of Structural BMPs, provide a list and map denoting Structural BMPs that have already been submitted, those for this submission, and those anticipated in future submissions.

**Checklist for Applicant to submit to PDCI:**

- ☐ Copy of the final accepted SWQMP and any accepted addendum.
- ☐ Copy of the most current plan showing the Stormwater Structural BMP Table, plans/cross-section sheets of the Structural BMPs and the location of each verified as-built Structural BMP.
- ☐ Photograph of each Structural BMP.
- ☐ Photograph(s) of each Structural BMP during the construction process to illustrate proper construction.
- ☐ Copy of the approved Structural BMP maintenance agreement and associated security

By signing below, I certify that the Structural BMP(s) for this project have been constructed and all BMPs are in substantial conformance with the approved plans and applicable regulations. I understand the County reserves the right to inspect the above BMPs to verify compliance with the approved plans and Watershed Protection Ordinance (WPO). Should it be determined that the BMPs were not constructed to plan or code, corrective actions may be necessary before permits can be closed.

Please sign your name and seal.

Professional Engineer's Printed Name:

\_\_\_\_\_

Professional Engineer's Signed Name:

\_\_\_\_\_

Date: \_\_\_\_\_



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**ATTACHMENT 5****Copy of Plan Sheets Showing Permanent Storm Water BMPs,  
Source Control, and Site Design**

This is the cover sheet for Attachment 5.

**Use this checklist to ensure the required information has been included on the plans:**

**The plans must identify:**

- ☐ Structural BMP(s) with ID numbers matching Step 6 Summary of PDP Structural BMPs
- ☐ The grading and drainage design shown on the plans must be consistent with the delineation of DMAs shown on the DMA exhibit
- ☐ Details and specifications for construction of structural BMP(s)
- ☐ Signage indicating the location and boundary of structural BMP(s) as required by County staff
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
- ☐ Include landscaping plan sheets showing vegetation requirements for vegetated structural BMP(s)
- ☐ All BMPs must be fully dimensioned on the plans
- ☐ When proprietary BMPs are used, site-specific cross section with outflow, inflow, and model number must be provided. Photocopies of general brochures are not acceptable.
- ☐ Include all source control and site design measures described in Steps 4 and 5 of the SWQMP. Can be included as a separate exhibit as necessary.



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**ATTACHMENT 6**

**Copy of Project's Drainage Report**

This is the cover sheet for Attachment 6.

If hardcopy or CD is not attached, the following information should be provided:

Title: INCLUDED WITHIN CD AT END OF ATTACHMENT 7.

Prepared By:

Date:

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**ATTACHMENT 7**

**Copy of Project's Geotechnical and Groundwater Investigation Report**

This is the cover sheet for Attachment 7.

If hardcopy or CD is not attached, the following information should be provided:

Title: INCLUDED WITHIN CD AT END OF ATTACHMENT 7.

Prepared By:

Date:



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